

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABEM1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

| | |
|---------|--|
| NEWS 1 | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | AUG 15 CAOLD to be discontinued on December 31, 2008 |
| NEWS 3 | OCT 07 EPFULL enhanced with full implementation of EPC2000 |
| NEWS 4 | OCT 07 Multiple databases enhanced for more flexible patent number searching |
| NEWS 5 | OCT 22 Current-awareness alert (SDI) setup and editing enhanced |
| NEWS 6 | OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications |
| NEWS 7 | OCT 24 CHEMLIST enhanced with intermediate list of pre-registered REACH substances |
| NEWS 8 | NOV 21 CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present |
| NEWS 9 | NOV 26 MARPAT enhanced with FSORT command |
| NEWS 10 | NOV 26 MEDLINE year-end processing temporarily halts availability of new fully-indexed citations |
| NEWS 11 | NOV 26 CHEMSAFE now available on STN Easy |
| NEWS 12 | NOV 26 Two new SET commands increase convenience of STN searching |
| NEWS 13 | DEC 01 ChemPort single article sales feature unavailable |
| NEWS 14 | DEC 12 GBFULL now offers single source for full-text coverage of complete UK patent families |
| NEWS 15 | DEC 17 Fifty-one pharmaceutical ingredients added to PS |

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:27:17 ON 24 DEC 2008

=> fil reg

COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE
ENTRY
0.21

TOTAL
SESSION
0.21

FILE 'REGISTRY' ENTERED AT 13:27:28 ON 24 DEC 2008
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 23 DEC 2008 HIGHEST RN 1089286-03-2
DICTIONARY FILE UPDATES: 23 DEC 2008 HIGHEST RN 1089286-03-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

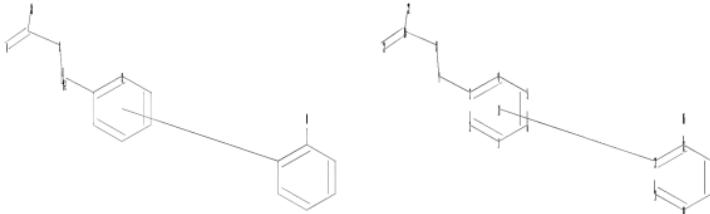
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\10590542.str

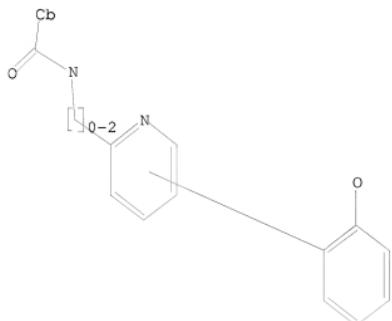


chain nodes :
7 8 16 20 21 22
ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15
chain bonds :
3-7 7-8 8-20 13-16 20-21 20-22
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
7-8 8-20 13-16 20-21
exact bonds :
3-7 20-22
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 : 10 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:Atom 20:CLASS 21:CLASS 22:Atom
Generic attributes :
22:
Saturation : Saturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 13:27:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 14552 TO ITERATE

13.7% PROCESSED 2000 ITERATIONS 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 283813 TO 298267
PROJECTED ANSWERS: 1 TO 306

L2 1 SEA SSS SAM L1

=> s 11 sss full
FULL SEARCH INITIATED 13:27:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 291038 TO ITERATE

100.0% PROCESSED 291038 ITERATIONS
SEARCH TIME: 00.00.15

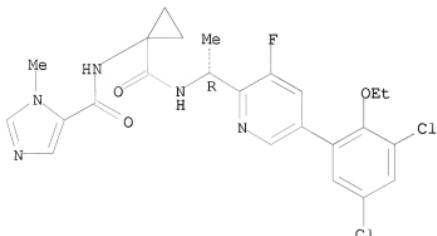
176 ANSWERS

L3 176 SEA SSS FUL L1

=> d scan

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1H-Imidazole-5-carboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl-
MF C24 H24 C12 F N5 O3

Absolute stereochemistry.

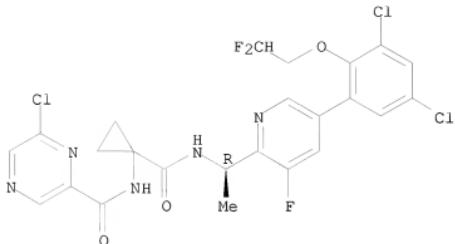


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Pyrazinecarboxamide, 6-chloro-N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-
MF C24 H19 C13 F3 N5 O3

Absolute stereochemistry.

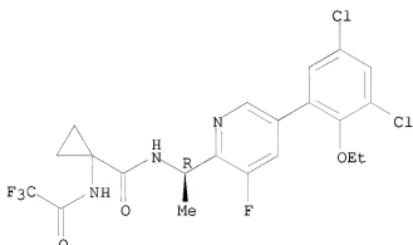


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]-
 MF C21 H19 Cl2 F4 N3 O3

Absolute stereochemistry.

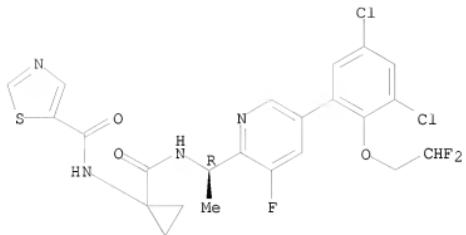


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 5-Thiazolecarboxamide, N-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl-
 MF C23 H19 Cl2 F3 N4 O3 S

Absolute stereochemistry.

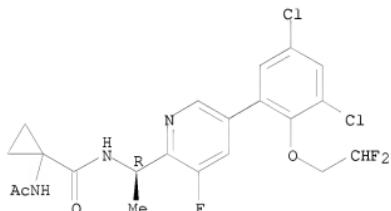


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, 1-(acetylamino)-N-[(1R)-1-[(5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl)ethyl]amino]cyclopropane
 MF C21 H20 Cl2 F3 N3 O3

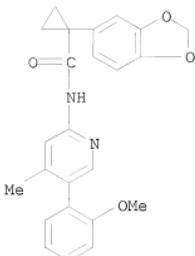
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, 1-(1,3-benzodioxol-5-yl)-N-[5-(2-methoxyphenyl)-4-methyl-2-pyridinyl]amino]cyclopropane
 MF C24 H22 N2 O4

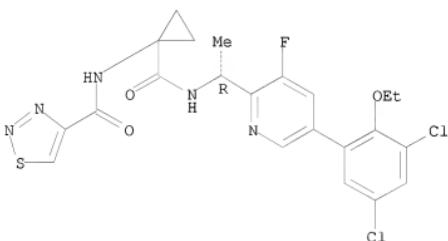


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 1,2,3-Thiadiazole-4-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-MF C22 H20 Cl2 F N5 O3 S

Absolute stereochemistry.

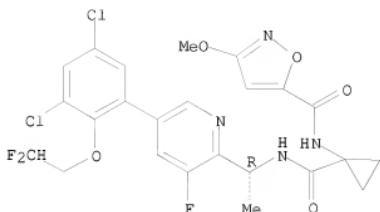


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 5-isoxazolecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methoxy-MF C24 H21 Cl2 F3 N4 O5

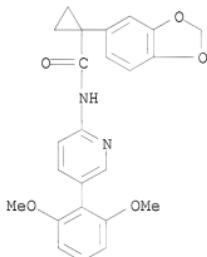
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, 1-(1,3-benzodioxol-5-yl)-N-[5-(2,6-dimethoxyphenyl)-2-pyridinyl]-
 MF C24 H22 N2 O5

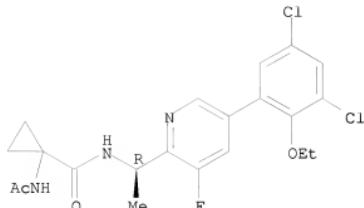


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, 1-(acetylamino)-N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-
 MF C21 H22 Cl2 F N3 O3

Absolute stereochemistry.

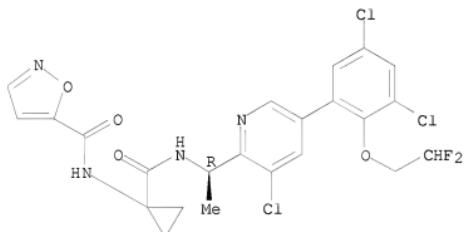


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl)cyclopropyl]-
 MF C23 H19 Cl3 F2 N4 O4

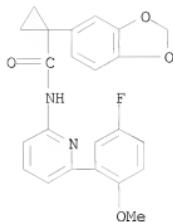
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Cyclopropanecarboxamide, 1-(1,3-benzodioxol-5-yl)-N-[6-(5-fluoro-2-methoxyphenyl)-2-pyridinyl]-
 MF C23 H19 F N2 O4

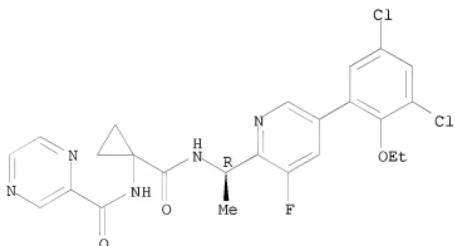


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 176 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 2-Pyrazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-
 MF C24 H22 C12 F N5 O3

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

| => fil cap | COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|----------------------|------------------|---------------|
| FULL ESTIMATED COST | | 178.82 | 179.03 |

FILE 'CAPLUS' ENTERED AT 13:28:47 ON 24 DEC 2008
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FILE COVERS 1907 - 24 Dec 2008 VOL 149 ISS 26
FILE LAST UPDATED: 23 Dec 2008 (20081223/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

→ d his

(FILE 'HOME' ENTERED AT 13:27:17 ON 24 DEC 2008)

FILE 'REGISTRY' ENTERED AT 13:27:28 ON 24 DEC 2008
L1 STRUCTURE uploaded
L2 1 S L1

=> s 13

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=> s 13 and (pry<2005)
      12 L3
      4595104 PRY<2005
L5      7 L3 AND (PRY<2005)
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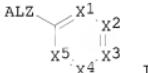
=> d 1-7 ibib abs hitstr

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:1174539 CAPLUS
DOCUMENT NUMBER: 149:402214
TITLE: Preparation of pyridine carboxamides as serine
protease inhibitors for treating thromboembolic and
inflammatory disorders
INVENTOR(S): Corte, James R.; Hangeland, Jon J.; Quan, Mimi L.;
Smallheer, Joanne M.; Fang, Tianan
PATENT ASSIGNEE(S): Bristol Myers Squibb Company, USA
SOURCE: U.S., 172pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|--------------|
| US 7429604 | B2 | 20080930 | US 2005-151627 | 20050613 <-- |

| | | | | |
|---|----|----------|------------------|----------------|
| US 20060009455 | A1 | 20060112 | | |
| AU 2005255029 | A1 | 20051229 | AU 2005-255029 | 20050614 <-- |
| WO 2005123680 | A1 | 20051229 | WO 2005-US20971 | 20050614 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1773775 | A1 | 20070418 | EP 2005-787697 | 20050614 <-- |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV, MK, YU | | | | |
| CN 101010299 | A | 20070801 | CN 2005-80027485 | 20050614 <-- |
| JP 2008502692 | T | 20080131 | JP 2007-516646 | 20050614 <-- |
| MX 2006PA14799 | A | 20070216 | MX 2006-PA14799 | 20061215 <-- |
| NO 2007000201 | A | 20070312 | NO 2007-201 | 20070111 <-- |
| KR 2007022867 | A | 20070227 | KR 2007-700830 | 20070112 <-- |
| PRIORITY APPLN. INFO.: | | | US 2004-579637P | P 20040615 <-- |
| | | | US 2005-683838P | P 20050524 |
| | | | US 2005-151627 | A 20050613 |
| | | | WO 2005-US20971 | W 20050614 |

OTHER SOURCE(S): MARPAT 149:402214
GI



AB Title compds. [I; A = (substituted) cycloalkyl, cycloalkenyl, Ph, naphthyl, heterocyclyl; X1-X4 = CR3, CR4, NR6, NO, CO; ≥ 1 of X1-X4 = CR3; X5 = N, NR6, NO; Z = CHR11, NR13; L = CONR10, CH2CONR10, CH2NR10CO, etc.; R3 = (CH2)rCONR8R9, Q(CH2)r, etc.; r = 0-4; Q = (substituted) Ph, heterocyclyl; R4 = H, O, F, Cl, Br, iodo, OCF3, CF3, cyano, NO2, CONR8R9, etc.; R6 = H, alkyl, haloalkyl, (substituted) Ph(CH2)r, etc.; R8 = H, (substituted) alkyl, Q(CH2)n; n = 0-4; R9 = H, (substituted) Ph(CH2)n; R10 = H, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl(alkyl), etc.; R11 = haloalkyl, (CH2)rCONR8R9, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, etc.; R13 = H, (substituted) alkyl, Q(CH2)n, acyl, etc.], were prepared. Thus, 2-phenyl-1-(4-phenylpyridin-2-yl)ethanamine.2TFA (preparation given) in DMF at 0° was treated sequentially with Hunig's base, Boc-tranexamic acid, HOBt, and EDCI followed by warming to room temperature to give coupling product which was treated with CF3CO2H in CH2Cl2 to

give 4-aminomethylcyclohexanecarboxylic acid [2-phenyl-1-(4-phenylpyridin-2-yl)ethyl]amide bistrifluoroacetate. The compds. of Formula I are useful as selective inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system; for example thrombin, factor Xa, factor XIa, factor IXa, factor VIIa and/or plasma kallikrein. This invention also relates to pharmaceutical compns. comprising these compds. and methods of treating thromboembolic and/or inflammatory disorders using the same. Preferred I inhibited Factor XIa

with $K_i \leq 15 \mu\text{M}$.

IT 872458-93-0P

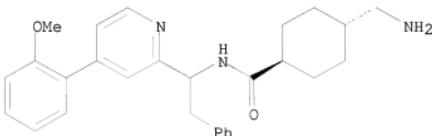
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of pyridine carboxamides as serine protease inhibitors for treating thromboembolic and inflammatory disorders)

RN 872458-93-0 CAPLUS

CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[1-[4-(2-methoxyphenyl)-2-pyridinyl]-2-phenylethyl]-, trans- (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1351066 CAPLUS

DOCUMENT NUMBER: 144:88174

TITLE: Preparation of pyridine carboxamides as serine protease inhibitors

INVENTOR(S): Corte, James; Hangeland, Jon; Quan, Mimi; Smallheer, Joanne M.; Fang, Tianan

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 243 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

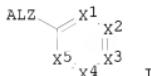
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|--------------|
| WO 2005123680 | A1 | 20051229 | WO 2005-US20971 | 20050614 <-- |
| W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 7429604 | B2 | 20080930 | US 2005-151627 | 20050613 <-- |
| US 20060009455 | A1 | 20060112 | | |
| AU 2005255029 | A1 | 20051229 | AU 2005-255029 | 20050614 <-- |
| EP 1773775 | A1 | 20070418 | EP 2005-787697 | 20050614 <-- |
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| | | | | |
|------------------------|---|----------|------------------|----------------|
| MK, YU | | | | |
| CN 101010299 | A | 20070801 | CN 2005-80027485 | 20050614 <-- |
| JP 2008502692 | T | 20080131 | JP 2007-516646 | 20050614 <-- |
| IN 2006DN07496 | A | 20070817 | IN 2006-DN7496 | 20061212 <-- |
| MX 2006PA14799 | A | 20070216 | MX 2006-PA14799 | 20061215 <-- |
| NO 2007000201 | A | 20070312 | NO 2007-201 | 20070111 <-- |
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| PRIORITY APPLN. INFO.: | | | US 2004-579637P | P 20040615 <-- |
| | | | US 2005-683838P | P 20050524 |
| | | | US 2005-151627 | A 20050613 |
| | | | WO 2005-US20971 | W 20050614 |

OTHER SOURCE(S): CASREACT 144:88174; MARPAT 144:88174
GI



AB Title compds. [I; A = (substituted) cycloalkyl, cycloalkenyl, Ph, naphthyl, heterocyclyl; X1-X4 = CR3, CR4, NR6, NO, CO; ≥1 of X1-X4 = CR3; X5 = N, NR6, NO; Z = CHR11, NR13; L = CONR10, CH2CONR10, CH2NR10CO, etc.; R3 = (CH2)rCONR8R9, Q(CH2)r, etc.; r = 0-4; Q = (substituted) Ph, heterocyclyl; R4 = H, O, F, Cl, Br, iodo, OCF3, CF3, cyano, NO2, CONR8R9, etc.; R6 = H, alkyl, haloalkyl, (substituted) Ph(CH2)r, etc.; R8 = H, (substituted) alkyl, Q(CH2)n; n = 0-4; R9 = H, (substituted) Ph(CH2)n; R10 = H, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl(alkyl), etc.; R11 = haloalkyl, (CH2)rCONR8R9, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, etc.; R13 = H, (substituted) alkyl, Q(CH2)n, acyl, etc.), carbocyclyl, etc., R13 = H, (substituted) alkyl, Q(CH2)n, acyl, etc.), were prepared. Thus, 2-phenyl-1-(4-phenylpyridin-2-yl)ethanamine.2TFA (preparation given) in DMF at 0° was treated sequentially with Hunig's base, Boc-tranoxic acid, HOBt, and EDCI followed by warming to room temperature to give coupling product which was treated with CF3CO2H in CH2Cl2

to

give 4-aminomethylcyclohexanecarboxylic acid
[2-phenyl-1-(4-phenylpyridin-2-yl)ethyl]amide bistrifluoroacetate.

Preferred I inhibited Factor XIa with Ki ≤ 15 μM.

IT 872458-93-0P

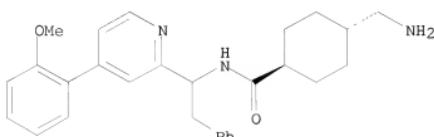
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of pyridine carboxamides as serine protease inhibitors)

RN 872458-93-0 CAPLUS

CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[1-[4-(2-methoxyphenyl)-2-pyridinyl]-2-phenyl]-, trans- (CA INDEX NAME)

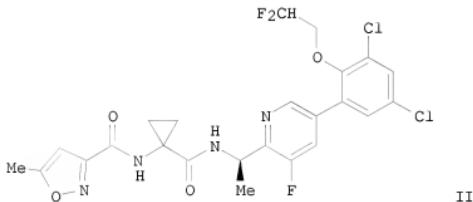
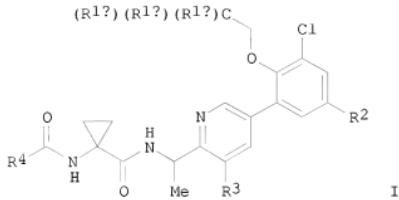
Relative stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 20051004708 CAPLUS
DOCUMENT NUMBER: 143:306182
TITLE: Preparation of 1-aminocyclopropane-1-carboxamide derivatives as bradykinin B1 antagonists
INVENTOR(S): Bock, Mark G.; Feng, Dong-Mei; Kuduk, Scott
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|--|----------------|
| WO 2005085198 | A2 | 20050915 | WO 2005-US6230 | 20050225 <-- |
| WO 2005085198 | A3 | 20051124 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2005219836 | A1 | 20050915 | AU 2005-219836 | 20050225 <-- |
| CA 2557858 | A1 | 20050915 | CA 2005-2557858 | 20050225 <-- |
| EP 1723143 | A2 | 20061122 | EP 2005-714101 | 20050225 <-- |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, LV | | | | |
| CN 1926136 | A | 20070307 | CN 2005-80006734 | 20050225 <-- |
| JP 2007526311 | T | 20070913 | JP 2007-501866 | 20050225 <-- |
| IN 2006DN05022 | A | 20070413 | IN 2006-DN5022 | 20060831 <-- |
| PRIORITY APPLN. INFO.: | | | US 2004-549379P | P 20040302 <-- |
| OTHER SOURCE(S): GI | | | WO 2005-US6230 | W 20050225 |
| | | | CASREACT 143:306182; MARPAT 143:306182 | |



AB Title compds. I [wherein R1a, R1b, R1c = H or F; R2 = H or Cl; R3 = Cl or F; R4 = (un)substituted (cyclo)alkyl, aryl or heterocycle, or pharmaceutically acceptable salts thereof] were prepared as antagonists or inverse agonists of bradykinin receptors, especially as antagonists of bradykinin receptor B1. For instance, II was synthesized by acylation of dihydrochloride salt of the corresponding cyclopropanamine with 5-methylisoxazole-3-carbonyl chloride in the presence of DIPEA. I exhibited affinity for the B1 receptor with IC50 values of < 5 μ M. Therefore, I and their pharmaceutical compns. (examples given) are useful in the treatment or prevention of symptoms such as pain and inflammation associated with the bradykinin B1 pathway.

IT 864641-38-3P 864641-40-7P 864641-42-9P

864641-44-1P

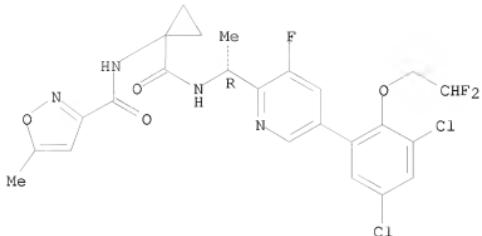
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of aminocyclopropanecarboxamide derivs. as bradykinin B1 antagonists)

RN 864641-38-3 CAPLUS

CN 3-Isoxazolecarboxamide, N-[1-[[((1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

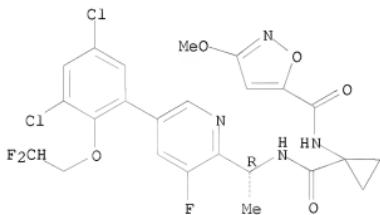
Absolute stereochemistry.



RN 864641-40-7 CAPLUS

CN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methoxy- (CA INDEX NAME)

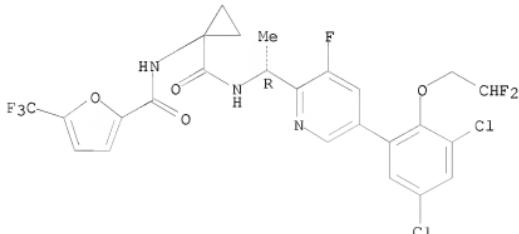
Absolute stereochemistry.



RN 864641-42-9 CAPLUS

CN 2-Furancarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-(trifluoromethyl)- (CA INDEX NAME)

Absolute stereochemistry.

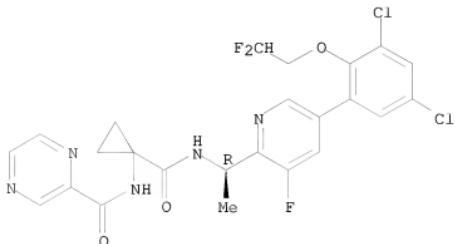


RN 864641-44-1 CAPLUS

CN 2-Pyrazinecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-

difluoroethoxy)phenyl]-3-fluoro-2-
pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 864641-46-3P 864641-48-5P 864641-49-6P
864641-50-9P 864641-51-0P 864641-52-1P
864641-53-2P 864641-54-3P 864641-55-4P
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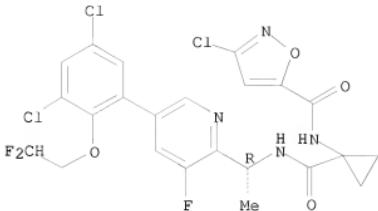
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminocyclopropanecarboxamide derivs. as bradykinin B1 antagonists)

RN 864641-46-3 CAPLUS

CN 5-Isoazolecarboxamide, 3-chloro-N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

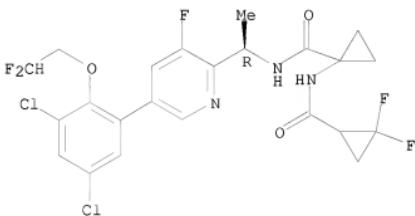
Absolute stereochemistry.



RN 864641-48-5 CAPLUS

CN Cyclopropanecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-2,2-difluoro- (9CI) (CA INDEX NAME)

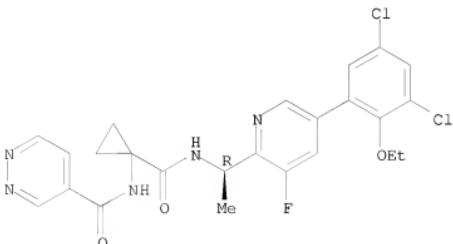
Absolute stereochemistry.



RN 864641-49-6 CAPLUS

CN 4-Pyridazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

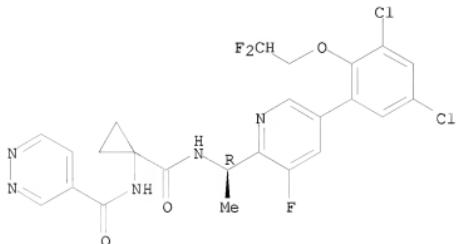


RN 864641-50-9 CAPLUS

CN 4-Pyridazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-

pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

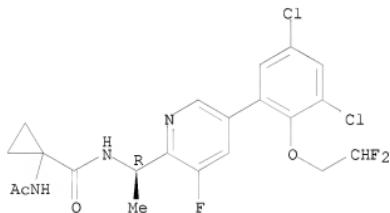
Absolute stereochemistry.



RN 864641-51-0 CAPLUS

CN Cyclopropanecarboxamide, 1-(acetylamino)-N-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]- (CA INDEX NAME)

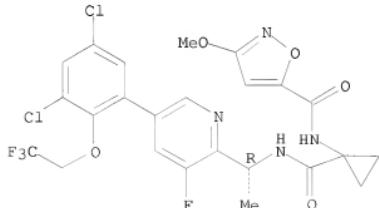
Absolute stereochemistry.



RN 864641-52-1 CAPLUS

CN 5-Isoxazolecarboxamide, N-[(1-[(1R)-1-[5-[3,5-dichloro-2-(2,2,2-trifluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methoxy- (CA INDEX NAME)

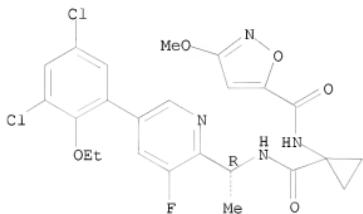
Absolute stereochemistry.



RN 864641-53-2 CAPLUS

CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-3-methoxy- (CA INDEX NAME)

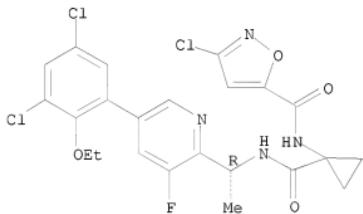
Absolute stereochemistry.



RN 864641-54-3 CAPLUS

CN 5-Isoxazolecarboxamide, 3-chloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

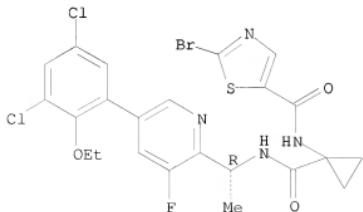
Absolute stereochemistry.



RN 864641-55-4 CAPLUS

CN 5-Thiazolecarboxamide, 2-bromo-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

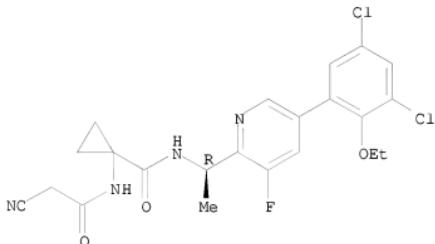
Absolute stereochemistry.



RN 864641-56-5 CAPLUS

CN Cyclopropanecarboxamide, 1-[(2-cyanoacetyl)amino]-N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]- (CA INDEX NAME)

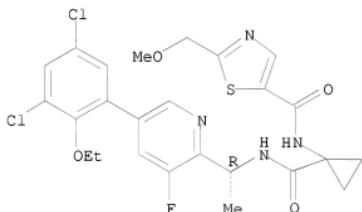
Absolute stereochemistry.



RN 864641-57-6 CAPLUS

CN 5-Thiazolecarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2-(methoxymethyl)- (CA INDEX NAME)

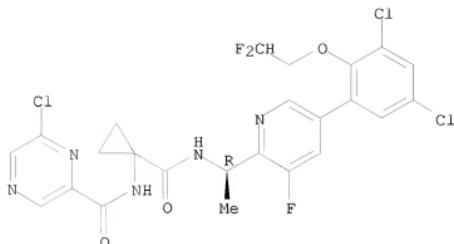
Absolute stereochemistry.



RN 864641-58-7 CAPLUS

CN 2-Pyrazinecarboxamide, 6-chloro-N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

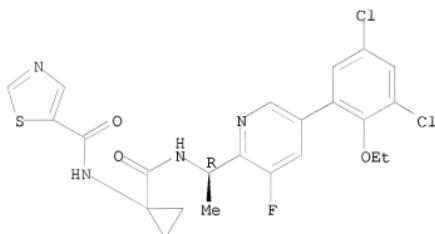
Absolute stereochemistry.



RN 864641-59-8 CAPLUS

CN 5-Thiazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl]- (CA INDEX NAME)

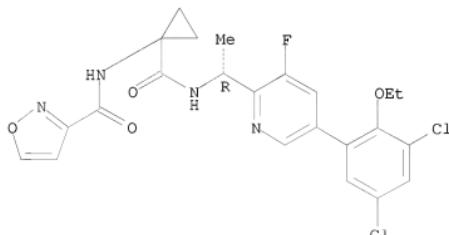
Absolute stereochemistry.



RN 864641-60-1 CAPLUS

CN 3-Isoxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.

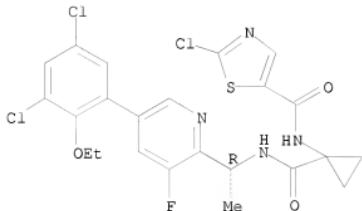


RN 864641-61-2 CAPLUS

CN 5-Thiazolecarboxamide, 2-chloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl]- (CA INDEX NAME)

INDEX NAME)

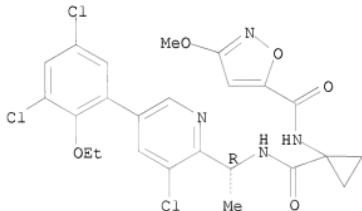
Absolute stereochemistry.



RN 864641-62-3 CAPLUS

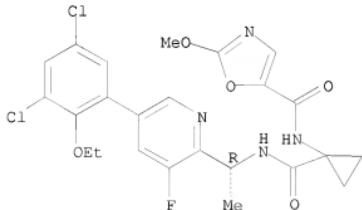
CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-(3,5-dichloro-2-ethoxyphenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 864641-63-4 CAPLUS

Absolute stereochemistry.

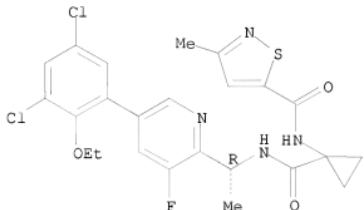


RN 864641-65-6 CAPLUS

CN 5-Isothiazolecarboxamide, N-[1-[[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-

3-fluoro-2-[pyridinyl]ethyl]amino]carbonyl)cyclopropyl]-3-methyl- (CA INDEX NAME)

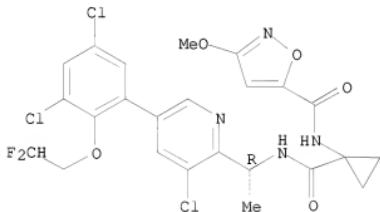
Absolute stereochemistry.



RN 864641-66-7 CAPLUS

CN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methoxy- (CA INDEX NAME)

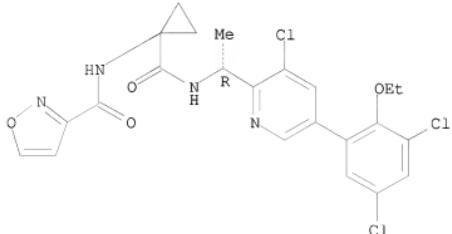
Absolute stereochemistry.



RN 864641-68-9 CAPLUS

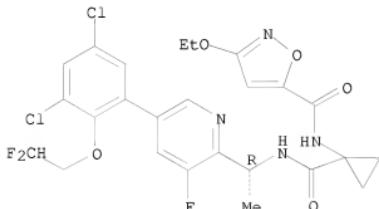
CN 3-Isoazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-(3,5-dichloro-2-ethoxyphenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



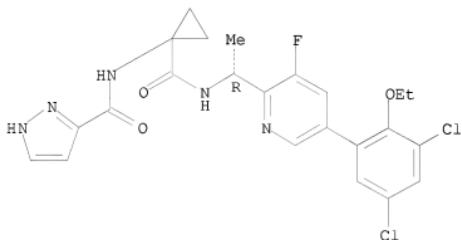
RN 864641-69-0 CAPLUS
CN 5-Isoazolecarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-ethoxy- (CA INDEX NAME)

Absolute stereochemistry.



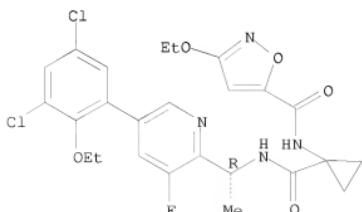
RN 864641-70-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 864641-72-5 CAPLUS
CN 5-Isoazolecarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-ethoxy- (CA INDEX NAME)

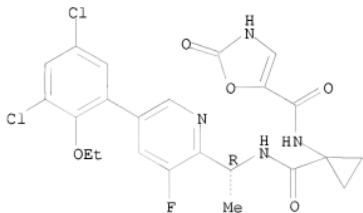
Absolute stereochemistry.



RN 864641-74-7 CAPLUS

CN 5-Oxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl]-2,3-dihydro-2-oxo- (CA INDEX NAME)

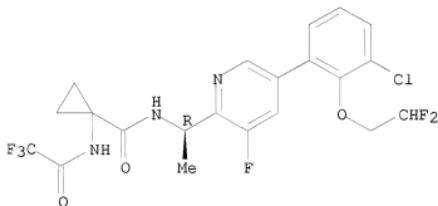
Absolute stereochemistry.



RN 864641-76-9 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[3-chloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

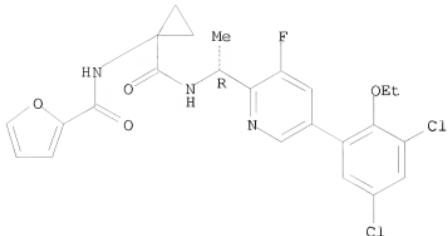
Absolute stereochemistry.



RN 864641-78-1 CAPLUS

CN 2-Furancarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

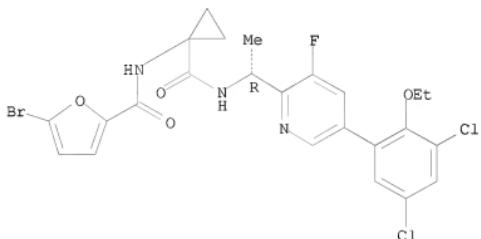
Absolute stereochemistry.



RN 864641-80-5 CAPLUS

CN 2-Furancarboxamide, 5-bromo-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

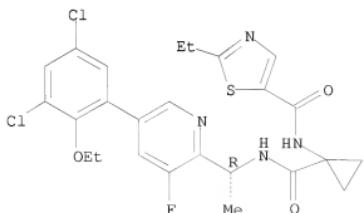
Absolute stereochemistry.



RN 864641-82-7 CAPLUS

CN 5-Thiazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2-ethyl- (CA INDEX NAME)

Absolute stereochemistry.

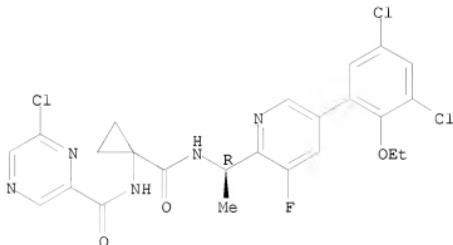


RN 864641-84-9 CAPLUS

CN 2-Pyrazinecarboxamide, 6-chloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

INDEX NAME)

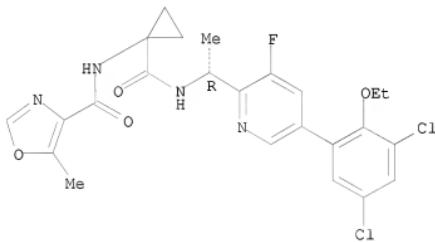
Absolute stereochemistry.



RN 864641-85-0 CAPLUS

CN 4-Oxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl]-5-methyl- (CA INDEX NAME)

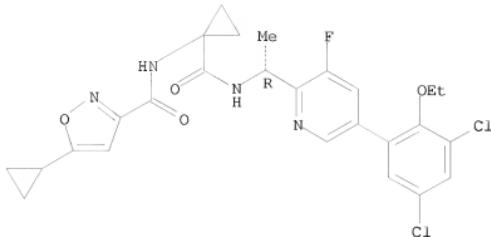
Absolute stereochemistry.



RN 864641-86-1 CAPLUS

CN 3-Isoxazolecarboxamide, 5-cyclopropyl-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

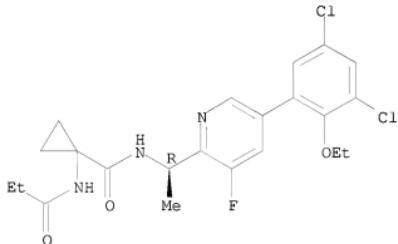
Absolute stereochemistry.



RN 864641-88-3 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[1-oxopropyl]amino- (CA INDEX NAME)

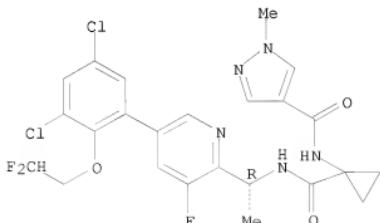
Absolute stereochemistry.



RN 864641-90-7 CAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

Absolute stereochemistry.

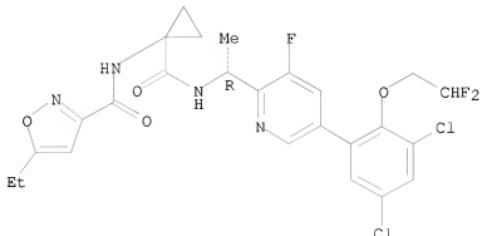


RN 864641-92-9 CAPLUS

CN 3-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-

difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-ethyl- (CA INDEX NAME)

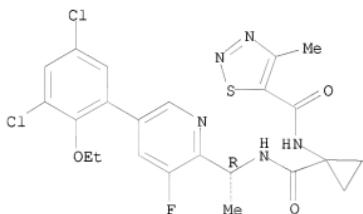
Absolute stereochemistry.



RN 864641-93-0 CAPLUS

CN 1,2,3-Thiadiazole-5-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl)cyclopropyl]-4-methyl- (CA INDEX NAME)

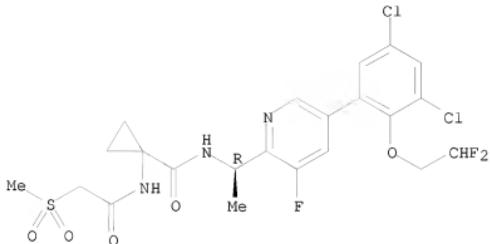
Absolute stereochemistry.



RN 864641-94-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[[2-(methylsulfonyl)acetyl]amino]- (CA INDEX NAME)

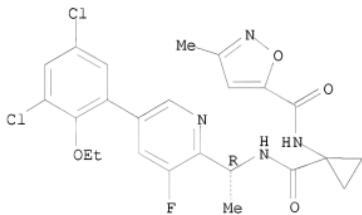
Absolute stereochemistry.



RN 864641-96-3 CAPLUS

CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-3-methyl- (CA INDEX NAME)

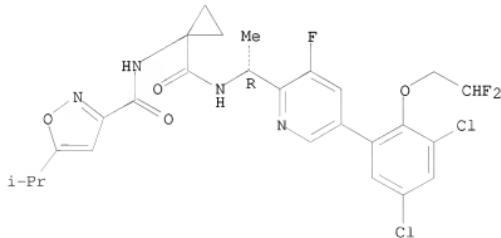
Absolute stereochemistry.



RN 864641-98-5 CAPLUS

CN 3-Isoxazolecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-5-(1-methylethyl)- (CA INDEX NAME)

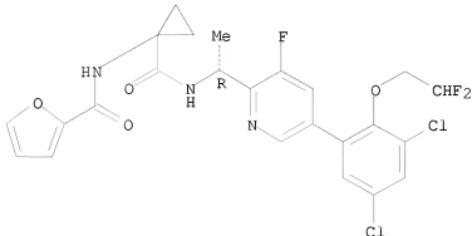
Absolute stereochemistry.



RN 864642-00-2 CAPLUS

CN 2-Furancarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

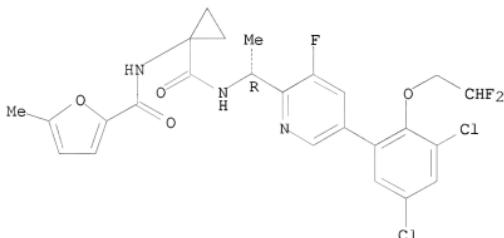
Absolute stereochemistry.



RN 864642-01-3 CAPLUS

CN 2-Furancarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

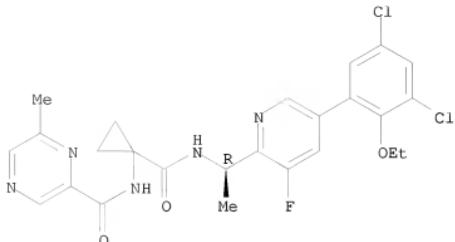
Absolute stereochemistry.



RN 864642-02-4 CAPLUS

CN 2-Pyrazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-6-methyl- (CA INDEX NAME)

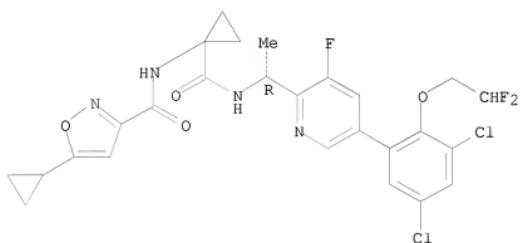
Absolute stereochemistry.



RN 864642-03-5 CAPLUS

CN 3-Isoxazolecarboxamide, 5-cyclopropyl-N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

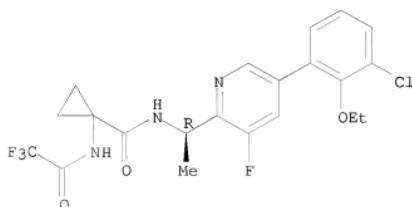
Absolute stereochemistry.



RN 864642-05-7 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3-chloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.

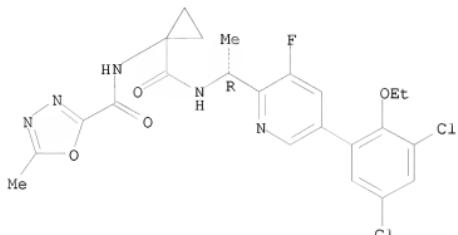


RN 864642-06-8 CAPLUS

CN 1,3,4-Oxadiazole-2-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-5-

methyl- (CA INDEX NAME)

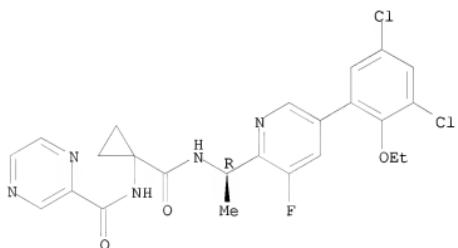
Absolute stereochemistry.



RN 864642-08-0 CAPLUS

CN 2-Pyrazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

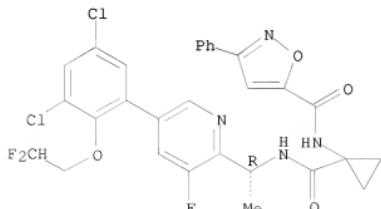
Absolute stereochemistry.



RN 864642-09-1 CAPLUS

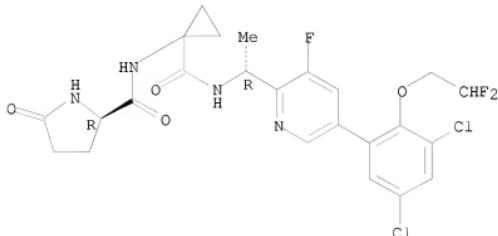
CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



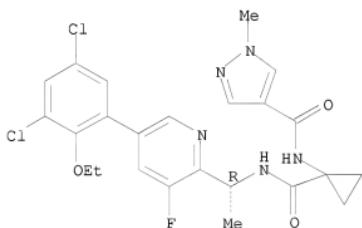
RN 864642-10-4 CAPLUS
CN 2-Pyrrolidinecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl]-5-oxo-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



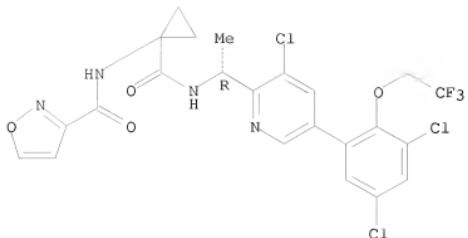
RN 864642-12-6 CAPLUS
CN 1H-Pyrazole-4-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl]-1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 864642-14-8 CAPLUS
CN 3-Isoxazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonylcyclopropyl]- (CA INDEX NAME)

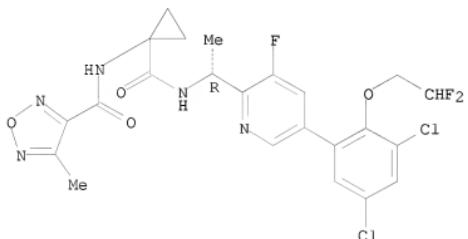
Absolute stereochemistry.



RN 864642-16-0 CAPLUS

CN 1,2,5-Oxadiazole-3-carboxamide, N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-4-methyl- (CA INDEX NAME)

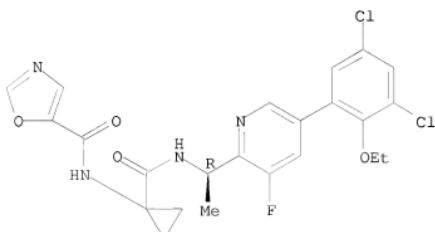
Absolute stereochemistry.



RN 864642-18-2 CAPLUS

CN 5-Oxazolecarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

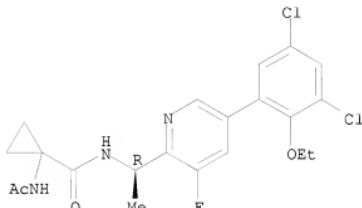
Absolute stereochemistry.



RN 864642-20-6 CAPLUS

CN Cyclopropanecarboxamide, 1-(acetylamino)-N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]- (CA INDEX NAME)

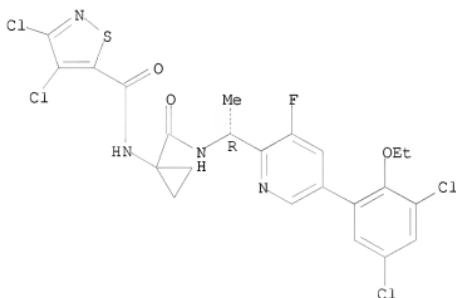
Absolute stereochemistry.



RN 864642-22-8 CAPLUS

CN 5-Isothiazolecarboxamide, 3,4-dichloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

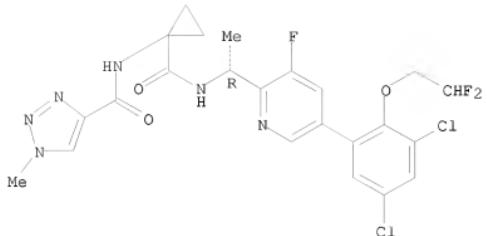
Absolute stereochemistry.



RN 864642-24-0 CAPLUS

CN 1H-1,2,3-Triazole-4-carboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]-1-methyl- (CA INDEX NAME)

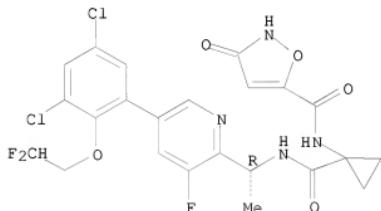
Absolute stereochemistry.



RN 864642-25-1 CAPLUS

CN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2,3-dihydro-3-oxo- (CA INDEX NAME)

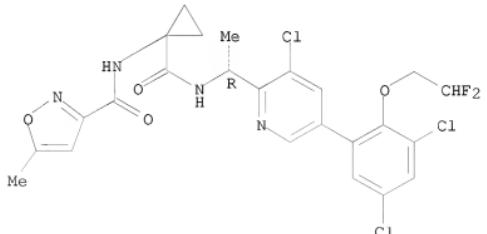
Absolute stereochemistry.



RN 864642-26-2 CAPLUS

CN 3-Isoazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

Absolute stereochemistry.

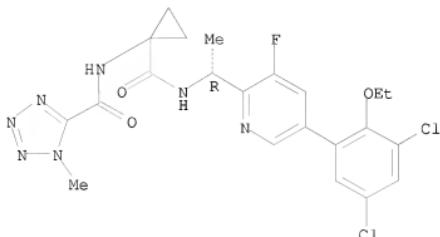


RN 864642-27-3 CAPLUS

CN 1H-Tetrazole-5-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-

ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

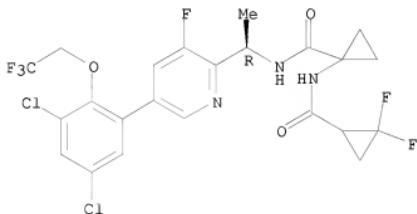
Absolute stereochemistry.



RN 864642-28-4 CAPLUS

CN Cyclopropanecarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-(2,2,2-trifluoroethoxy)phenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2,2-difluoro- (9CI) (CA INDEX NAME)

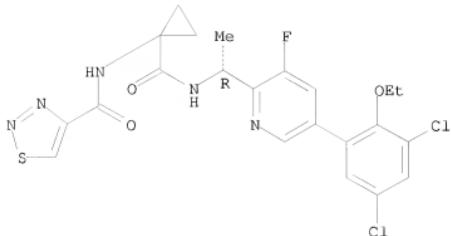
Absolute stereochemistry.



RN 864642-29-5 CAPLUS

CN 1,2,3-Thiadiazole-4-carboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

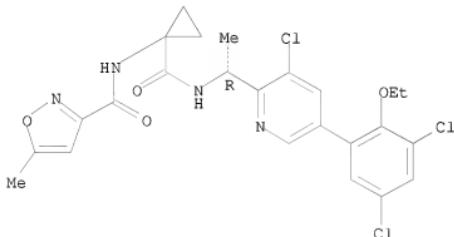
Absolute stereochemistry.



RN 864642-30-8 CAPLUS

CN 3-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-(3,5-dichloro-2-ethoxyphenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

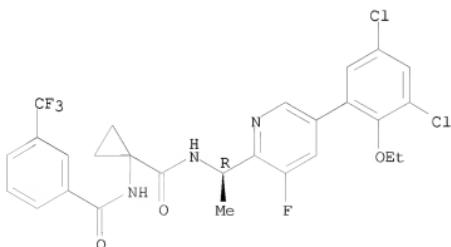
Absolute stereochemistry.



RN 864642-31-9 CAPLUS

CN Benzamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-(trifluoromethyl)- (CA INDEX NAME)

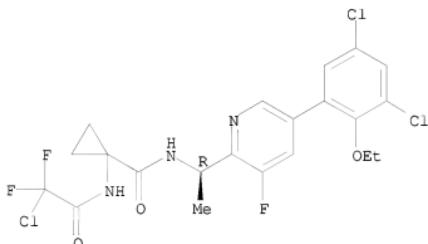
Absolute stereochemistry.



RN 864642-32-0 CAPLUS

CN Cyclopropanecarboxamide, 1-[(2-chloro-2,2-difluoroacetyl)amino]-N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]- (CA INDEX NAME)

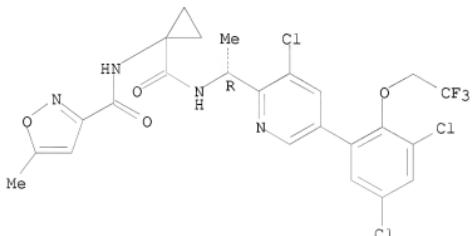
Absolute stereochemistry.



RN 864642-34-2 CAPLUS

CN 3-Isoxazolecarboxamide, N-[(1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl-5-methyl- (CA INDEX NAME)

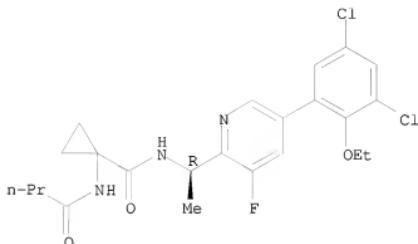
Absolute stereochemistry.



RN 864642-35-3 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(1-oxobutyl)amino]- (CA INDEX NAME)

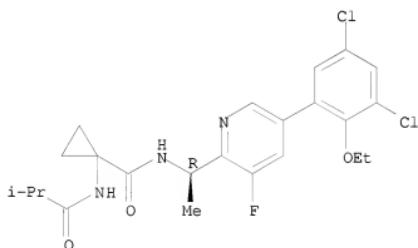
Absolute stereochemistry.



RN 864642-37-5 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(2-methyl-1-oxopropyl)amino]- (CA INDEX NAME)

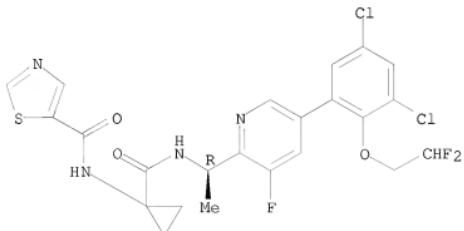
Absolute stereochemistry.



RN 864642-38-6 CAPLUS

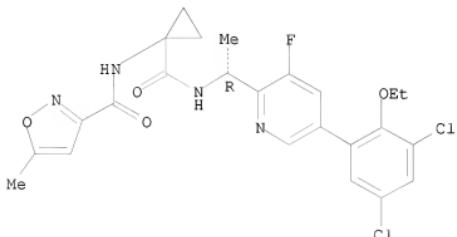
CN 5-Thiazolecarboxamide, N-[(1-[(1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl)cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



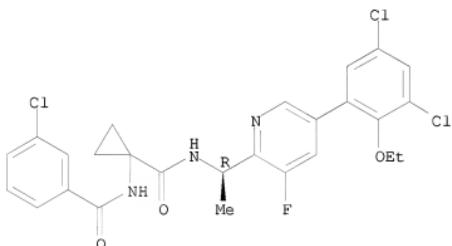
RN 864642-39-7 CAPLUS
CN 3-Isoazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

Absolute stereochemistry.



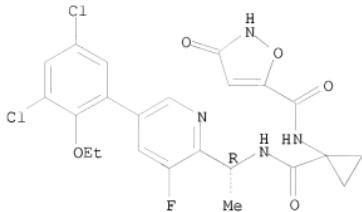
RN 864642-41-1 CAPLUS
CN Benzanide, 3-chloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 864642-43-3 CAPLUS
CN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2,3-dihydro-3-oxo- (CA INDEX NAME)

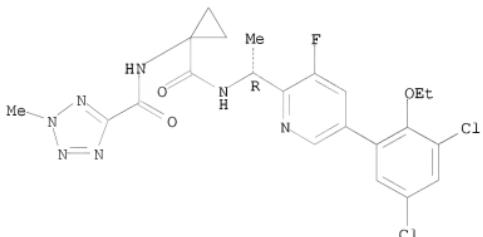
Absolute stereochemistry.



RN 864642-45-5 CAPLUS

CN 2H-Tetrazole-5-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2-methyl- (CA INDEX NAME)

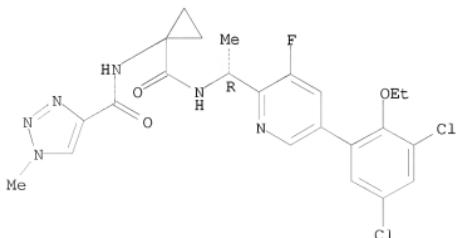
Absolute stereochemistry.



RN 864642-47-7 CAPLUS

CN 1H,2,3-Triazole-4-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

Absolute stereochemistry.

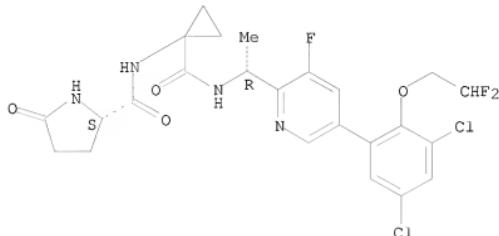


RN 864642-49-9 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-(2,2-difluoroethoxy)phenyl)-3-fluoro-2-

pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-oxo-, (2S)- (CA INDEX NAME)

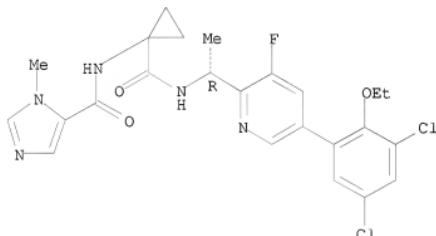
Absolute stereochemistry.



RN 864642-51-3 CAPLUS

CN 1H-Imidazole-5-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

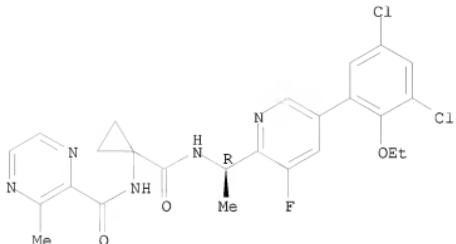
Absolute stereochemistry.



RN 864642-53-5 CAPLUS

CN 2-Pyrazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methyl- (CA INDEX NAME)

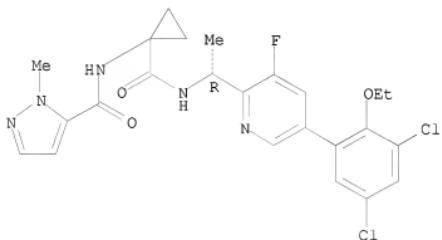
Absolute stereochemistry.



RN 864642-54-6 CAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

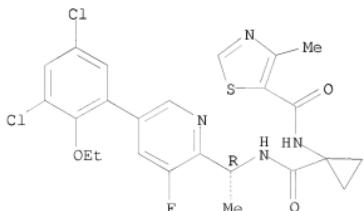
Absolute stereochemistry.



RN 864642-55-7 CAPLUS

CN 5-Thiazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-4-methyl- (CA INDEX NAME)

Absolute stereochemistry.

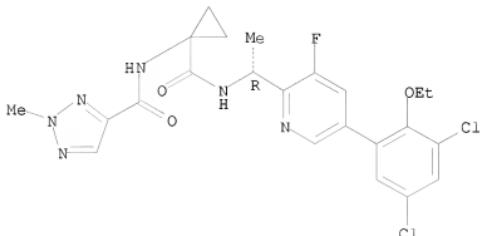


RN 864642-56-8 CAPLUS

CN 2H-1,2,3-Triazole-4-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-

ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2-methyl- (CA INDEX NAME)

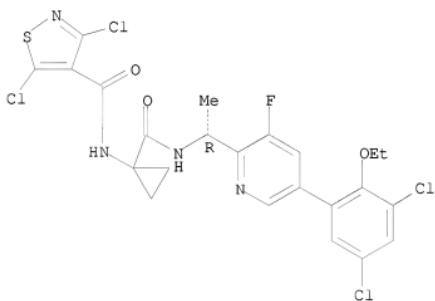
Absolute stereochemistry.



RN 864642-58-0 CAPLUS

CN 4-Isothiazolecarboxamide, 3,5-dichloro-N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]- (CA INDEX NAME)

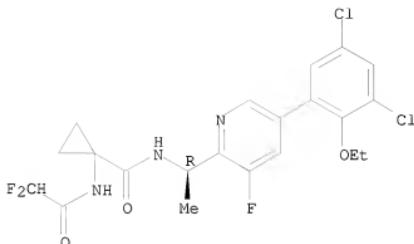
Absolute stereochemistry.



RN 864642-60-4 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2-difluoroacetyl)amino]- (CA INDEX NAME)

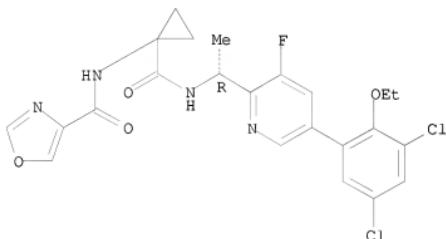
Absolute stereochemistry.



RN 864642-62-6 CAPLUS

CN 4-Oxazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl- (CA INDEX NAME)

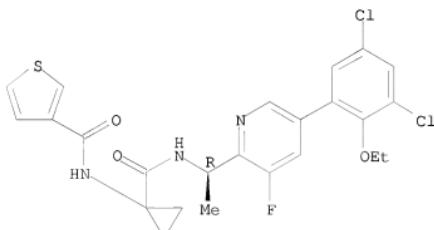
Absolute stereochemistry.



RN 864642-64-8 CAPLUS

CN 3-Thiophenecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl- (CA INDEX NAME)

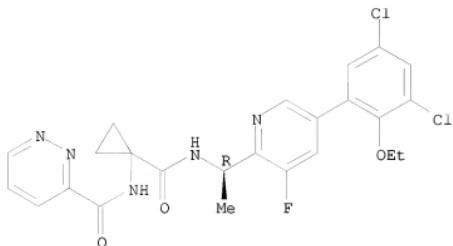
Absolute stereochemistry.



RN 864642-66-0 CAPLUS

CN 3-Pyridazinecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]cyclopropyl- (CA INDEX NAME)

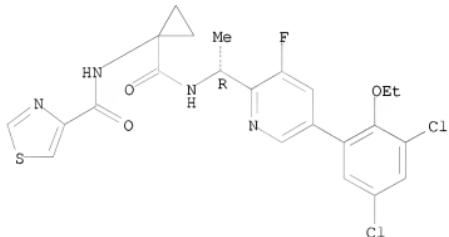
Absolute stereochemistry.



RN 864642-68-2 CAPLUS

CN 4-Thiazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl- (CA INDEX NAME)

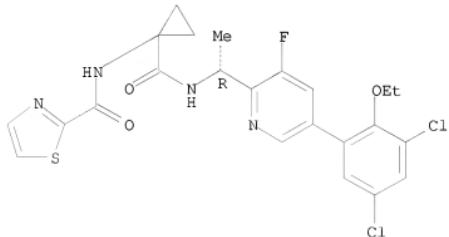
Absolute stereochemistry.



RN 864642-70-6 CAPLUS

CN 2-Thiazolecarboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonylcyclopropyl- (CA INDEX NAME)

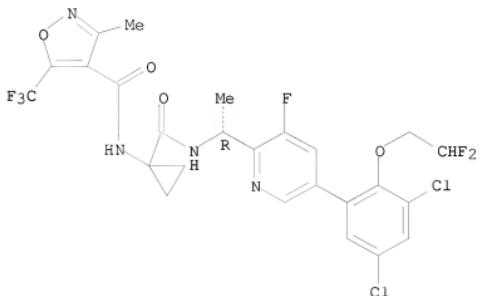
Absolute stereochemistry.



RN 864642-72-8 CAPLUS

CN 4-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-3-methyl-5-(trifluoromethyl)-(CA INDEX NAME)

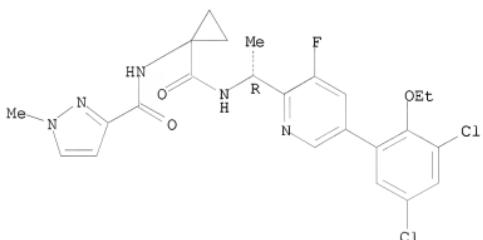
Absolute stereochemistry.



RN 864642-74-0 CAPLUS

CN 1H-Pyrazole-3-carboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-1-methyl- (CA INDEX NAME)

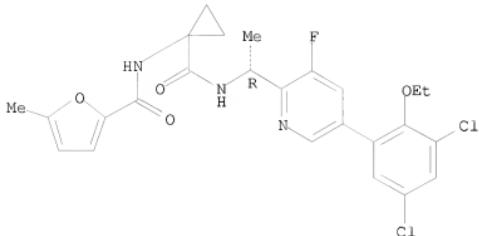
Absolute stereochemistry.



RN 864642-76-2 CAPLUS

CN 2-Furancarboxamide, N-[1-[[[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-5-methyl- (CA INDEX NAME)

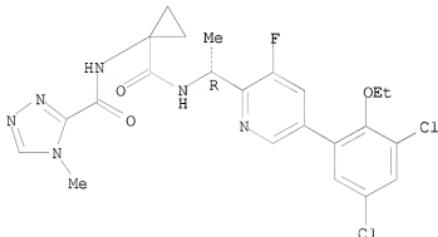
Absolute stereochemistry.



RN 864642-78-4 CAPLUS

CN 4H-1,2,4-Triazole-3-carboxamide, N-[1-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-4-methyl- (CA INDEX NAME)

Absolute stereochemistry.



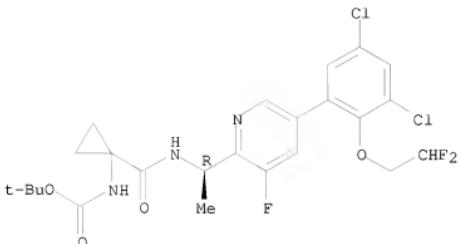
IT 864642-89-7P 864642-91-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aminocyclopropanecarboxamide derivs. as bradykinin B1 antagonists)

RN 864642-89-7 CAPLUS

CN Carbamic acid, [1-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

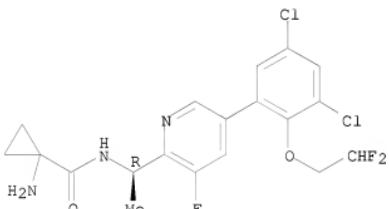
Absolute stereochemistry.



RN 864642-91-1 CAPLUS

CN Cyclopropanecarboxamide, 1-amino-N-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]-, hydrochloride (1:2) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005612238 CAPLUS

DOCUMENT NUMBER: 143:133188

TITLE: Preparation of α -hydroxy carboxamides, particularly N-biphenylmethyl and N-phenylpyridin-2-ylmethyl amides, as bradykinin B1 antagonists or inverse agonists useful in the treatment of pain and inflammation

INVENTOR(S): Wood, Michael R.; Anthony, Neville J.; Bock, Mark G.; Kuduk, Scott D.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 51 pp.

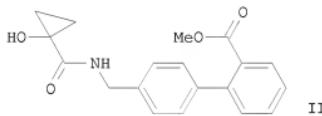
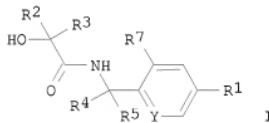
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|----------------|
| WO 2005063690 | A1 | 20050714 | WO 2004-US42691 | 20041217 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004309357 | A1 | 20050714 | AU 2004-309357 | 20041217 <-- |
| CA 2550372 | A1 | 20050714 | CA 2004-2550372 | 20041217 <-- |
| EP 1706372 | A1 | 20061004 | EP 2004-814829 | 20041217 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS | | | | |
| CN 1898198 | A | 20070117 | CN 2004-80038255 | 20041217 <-- |
| BR 2004017928 | A | 20070417 | BR 2004-17928 | 20041217 <-- |
| JP 2007520472 | T | 20070726 | JP 2006-547200 | 20041217 <-- |
| IN 2006DN03156 | A | 20070824 | IN 2006-DN3156 | 20060602 <-- |
| MX 2006PA07203 | A | 20060818 | MX 2006-PA7203 | 20060621 <-- |
| KR 2006115753 | A | 20061109 | KR 2006-712382 | 20060621 <-- |
| NO 2006003394 | A | 20060912 | NO 2006-3394 | 20060721 <-- |
| PRIORITY APPLN. INFO.: | | | US 2003-531643P | P 20031222 <-- |
| | | | US 2004-539637P | P 20040128 <-- |
| | | | US 2004-624958P | P 20041104 <-- |
| | | | WO 2004-US42691 | W 20041217 <-- |

OTHER SOURCE(S): CASREACT 143:133188; MARPAT 143:133188
GI



AB Title compds. [I; Y = CH, N; R1 = (un)substituted Ph, 2,2-dioxo-2,1-benzisothiazolin-1-yl; R2 = H, (un)substituted alkyl, Ph, etc.; R3 = defined as R2; or R3 = OH; or R2R3 = (un)substituted 3-7-membered carbocycl; R4, R5 = independently H, halo/alkyl; R7 = H, halo] were prepared as bradykinin B1 antagonists or inverse agonists useful in the treatment of pain and inflammation associated with the bradykinin B1 pathway. For example, coupling of 1-hydroxycyclopropanecarboxylic acid with Me 4'-(aminomethyl)biphenyl-2-carboxylate gave amide II. I have

affinity for the B1 receptor in a radioligand assay as demonstrated by results of less than 5 μ M [sic].

IT 858412-84-7P 858412-88-1P

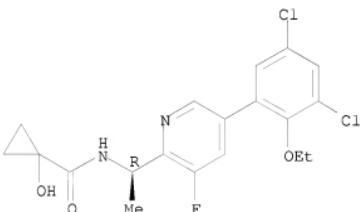
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of N-biphenylmethyl and N-phenylpyridin-2-ylmethyl α -hydroxycarboxamides as bradykinin B1 antagonists or inverse agonists useful in the treatment of pain and inflammation)

RN 858412-84-7 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(3,5-dichloro-2-ethoxyphenyl)-3-fluoro-2-pyridinyl]ethyl]-1-hydroxy- (CA INDEX NAME)

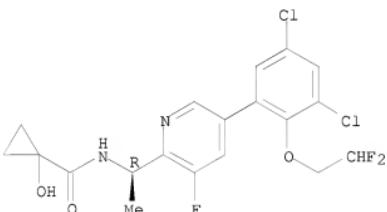
Absolute stereochemistry.



RN 858412-88-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]-1-hydroxy- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:71170 CAPLUS

DOCUMENT NUMBER: 142:176693

TITLE: Preparation of phenylpyridine derivatives as herbicides

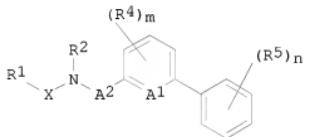
INVENTOR(S): Takizawa, Eiji; Kumata, Shuji; Kiyokawa, Takahiro

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: PCT Int. Appl., 67 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--------|------------|-----------------|----------------|
| WO 2005007627 | A1 | 20050127 | WO 2004-JP10560 | 20040716 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| JP 2005053902 | A | 20050303 | JP 2004-211469 | 20040720 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2003-277112 | A 20030718 <-- |
| OTHER SOURCE(S): | MARPAT | 142:176693 | | |
| GI | | | | |



AB The title compds. I [A1 represents N:(O)p; A2 represents (CR3R3)i; R1 represents hydrogen, etc., and R2 represents hydrogen, etc., provided that R1 and R2 in combination can form a 4- to 8-membered ring containing X, carbon, nitrogen, oxygen, or sulfur; R3's may be the same or different and each represents hydrogen, etc., provided that two R3's in combination can form a 3- to 6-membered ring containing carbon, nitrogen, oxygen, or sulfur; R4's may be the same or different and each represents halogeno, etc.; R5's may be the same or different and each represents halogeno, etc., provided that two adjacent R5's can be bonded to each other to form OCF20, etc.; X represents CO, CS, or SOq (wherein q is 1 or 2); i is an integer of 0 to 2; m is an integer of 0 to 3; n is an integer of 1 to 5; and p is 0 or 1] are prepared. Thus, N-[6-(3-trifluoromethoxyphenyl)-2-pyridyl]methylcyclopropanecarboxamide was prepared by reaction of 6-(3-trifluoromethoxyphenyl)-2-pyridylmethylamine with cyclopropanecarbonyl chloride in toluene containing triethylamine. 59 Compds. of this invention at 1000 g/ha gave \geq 90% control of Lindernia pyxidaria.

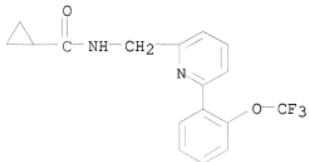
IT 833456-18-1P 833456-86-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenylpyridine derivs. as herbicides)

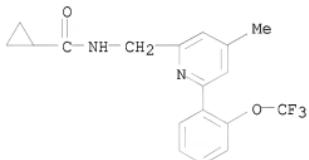
RN 833456-18-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(6-[2-(trifluoromethoxy)phenyl]-2-pyridinyl)methyl]- (CA INDEX NAME)



RN 833456-86-3 CAPLUS

CN Cyclopropanecarboxamide, N-[(4-methyl-6-[2-(trifluoromethoxy)phenyl]-2-pyridinyl)methyl]- (CA INDEX NAME)



REFERENCE COUNT:

203 THERE ARE 203 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:203618 CAPLUS

DOCUMENT NUMBER: 140:253570

TITLE: Preparation of N-biaryl methylaminocycloalkanecarboxamide as bradykinin B1 antagonists

INVENTOR(S): Kuduk, Scott D.; Wood, Michael R.; Bock, Mark G.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|--------------|
| WO 2004019868 | A2 | 20040311 | WO 2003-US26628 | 20030825 <-- |
| WO 2004019868 | A3 | 20040429 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,

| | | | | |
|---|--------|------------|-----------------|----------------|
| FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2495914 | A1 | 20040311 | CA 2003-2495914 | 20030825 <-- |
| AU 2003265674 | A1 | 20040319 | AU 2003-265674 | 20030825 <-- |
| BR 2003013239 | A | 20050614 | BR 2003-13239 | 20030825 <-- |
| EP 1545538 | A2 | 20050629 | EP 2003-791763 | 20030825 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| CN 1678320 | A | 20051005 | CN 2003-820293 | 20030825 <-- |
| JP 2005537323 | T | 20051208 | JP 2004-532994 | 20030825 <-- |
| US 20050288305 | A1 | 20051229 | US 2005-523911 | 20050208 <-- |
| US 7163951 | B2 | 20070116 | | |
| IN 2005CN00256 | A | 20070907 | IN 2005-CN256 | 20050224 <-- |
| MX 2005PA02245 | A | 20050608 | MX 2005-PA2245 | 20050225 <-- |
| NO 200501539 | A | 20050525 | NO 2005-1539 | 20050323 <-- |
| PRIORITY APPLN. INFO.: | | | US 2002-406742P | P 20020829 <-- |
| OTHER SOURCE(S): | MARPAT | 140:253570 | WO 2003-US26628 | W 20030825 <-- |
| GI | | | | |

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [Het = pyridyl, pyrimidinyl, N-oxide thereof; R1-2 = H, alkyl; R3a-3b = H, alkyl; R4-4b = H, halo, alkyl, etc.; R5 = alkyl, cycloalkyl, alkynyl, alkenyl, etc.; R6a = alkyl, cycloalkyl, alkenyl, etc.; R6b-6c = H and not more than one of R6a-6c = heterocycle; R7a-7b = H, halo, CN, etc.; m = 0-3] are prepared For instance, 1-((pyrimidin-5-yl)carbonyl)amino]cyclobutanecarboxylic acid (preparation given) is coupled to Me 2-[2-(aminomethyl)pyrimidin-5-yl]-6-fluorobenzoate (preparation given; DMF, HOBr, EDCI, Et3N) to give II. Compds. of the invention have affinity for the bradykinin B1 receptor at less than 5 μ M. I are useful for the treatment of pain and inflammation.

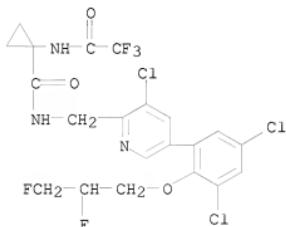
IT 669066-85-7P, 1-[(Trifluoromethyl)carbonyl]amino]-1-[[[5-[2-(2-fluoro-2-(fluoromethyl)ethoxy)-3-(chloro)-5-(chlorophenyl)-3-chloropyridin-2-yl]methyl]amino]carbonyl]cyclopropane 669066-86-8P, 1-[(Trifluoromethyl)carbonyl]amino]-1-[[[5-[2-(2-fluoro-2-(fluoromethyl)ethoxy)-3-(chloro)-5-(chlorophenyl)-3-pyridin-2-yl]methyl]amino]carbonyl]cyclopropane 669066-87-9P, 1-[(Trifluoromethyl)carbonyl]amino]-1-[[[5-[2-[(carbomethoxy)oxy]-3-(fluoro)phenyl]-3-fluoropyridin-2-yl]methyl]amino]carbonyl]cyclopropane 669067-11-2P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(difluoromethoxy)-3-(fluoro)phenyl]-3-fluoropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-15-6P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(fluoro)phenyl]-3-fluoropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-17-8P 669067-18-9P 669067-19-0P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(fluoro)phenyl]-3-fluoropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-39-4P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(fluoro)-5-(chlorophenyl)-3-fluoropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-40-7P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(2-fluoroethoxy)-3-(fluoro)-5-(chlorophenyl)-3-fluoropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-42-9P, (R)-1-[(Trifluoromethyl)carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(fluoro)-5-(chlorophenyl)-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-43-0P 669067-44-1P, (R)-1-[(1,2,5-Thiadiazol-3-yl)carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-

(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-46-3P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-53-2P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-54-3P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(chloro)-5-(fluoro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-56-5P, (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2-trifluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-57-6P
 669067-58-7P, (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-59-8P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-60-1P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(chloro)-5-(fluoro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-62-3P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-64-5P, (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-65-6P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-66-7P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-67-8P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(chloro)-5-(fluoro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-68-9P, (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-70-3P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(chloro)-5-(fluoro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-71-4P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-72-5P,
 (R)-1-[[Trifluoromethyl]carbonyl]amino]-1-[[1-[5-[2-(cyclopropyl)oxy]-3-(fluoro)-5-(fluoro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-73-6P,
 (R)-1-[[Isoxazol-3-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(fluoro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-75-8P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(ethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-76-9P, (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2-difluoroethoxy)-3-(chloro)-5-(chloro)phenyl]-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane 669067-77-0P,
 (R)-1-[[Isoxazol-5-yl]carbonyl]amino]-1-[[1-[5-[2-(2,2,2-trifluoroethoxy)-3-(chloro)-5-(chlorophenyl)-3-chloropyridin-2-yl]ethyl]amino]carbonyl]cyclopropane

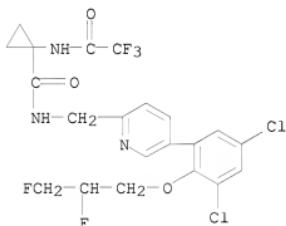
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-biaryl methylaminocycloalkanecarboxamide as bradykinin B1

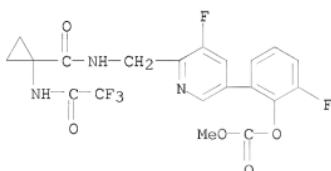
antagonists)
 RN 669066-85-7 CAPLUS
 CN Cyclopropanecarboxamide, N-[(3-chloro-5-[3,5-dichloro-2-(2,3-difluoropropoxy)phenyl]-2-pyridinyl)methyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)



RN 669066-86-8 CAPLUS
 CN Cyclopropanecarboxamide, N-[(5-[3,5-dichloro-2-(2,3-difluoropropoxy)phenyl]-2-pyridinyl)methyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)



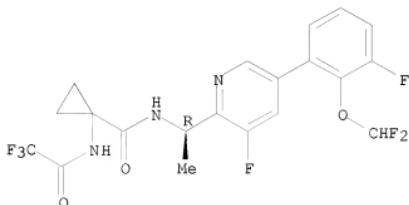
RN 669066-87-9 CAPLUS
 CN Carbonic acid, 2-fluoro-6-[5-fluoro-6-[[[[1-[(trifluoroacetyl)amino]cyclopropyl]carbonyl]amino)methyl]-3-pyridinyl]phenyl methyl ester (9CI) (CA INDEX NAME)



RN 669067-11-2 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[2-(difluoromethoxy)-3-fluorophenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

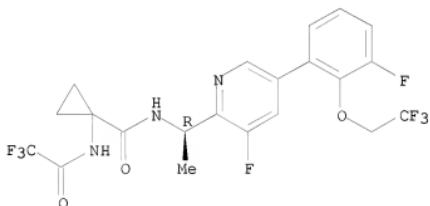
Absolute stereochemistry.



RN 669067-15-6 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-fluoro-5-[3-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

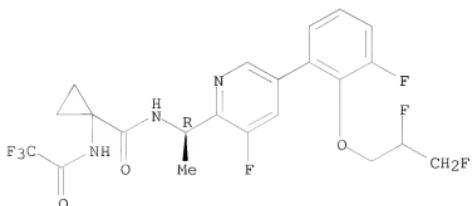
Absolute stereochemistry.



RN 669067-17-8 CAPLUS

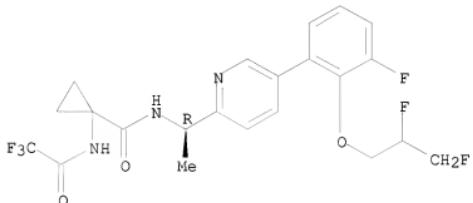
CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[2-(2,3-difluoropropoxy)-3-fluorophenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



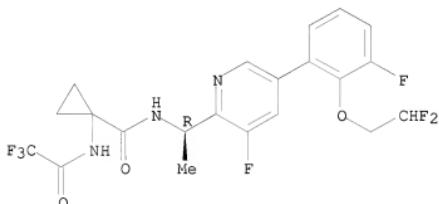
RN 669067-18-9 CAPLUS
CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[2-(2,3-difluoropropoxy)-3-fluorophenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



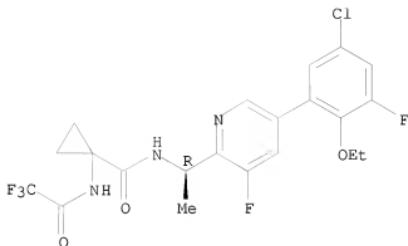
RN 669067-19-0 CAPLUS
CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[2-(2,2-difluoroethoxy)-3-fluorophenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



RN 669067-39-4 CAPLUS
CN Cyclopropanecarboxamide, N-[(1R)-1-[5-(5-chloro-2-ethoxy-3-fluorophenyl)-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

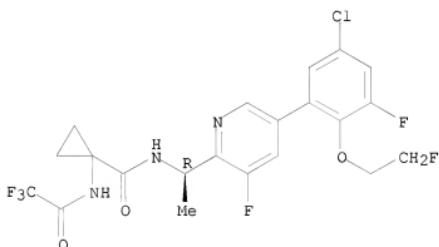
Absolute stereochemistry.



RN 669067-40-7 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[5-[5-chloro-3-fluoro-2-(2-fluoroethoxy)phenyl]-3-fluoro-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

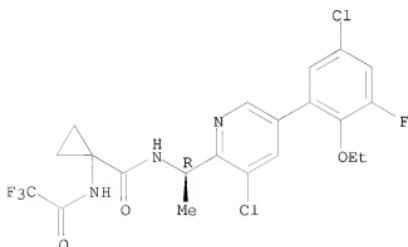
Absolute stereochemistry.



RN 669067-42-9 CAPLUS

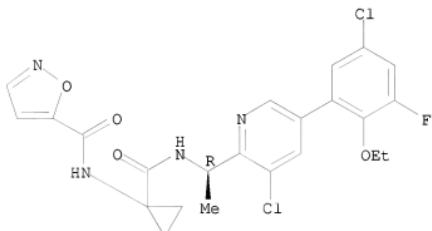
CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-(5-chloro-2-ethoxy-3-fluoro-2-pyridinyl)ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



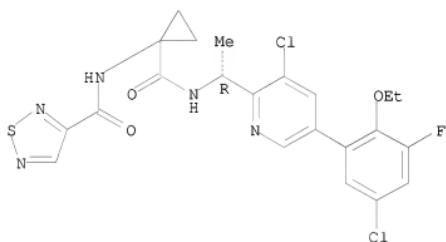
RN 669067-43-0 CAPLUS
CN 5-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-(5-chloro-2-ethoxy-3-fluorophenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

Absolute stereochemistry.



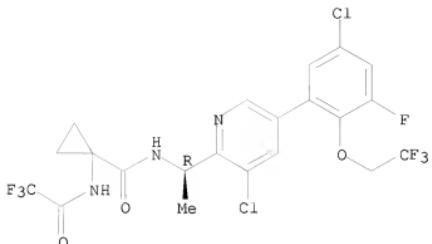
RN 669067-44-1 CAPLUS
CN 1,2,5-Thiadiazole-3-carboxamide, N-[1-[[[(1R)-1-[3-chloro-5-(5-chloro-2-ethoxy-3-fluorophenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 669067-46-3 CAPLUS
CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[5-chloro-3-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

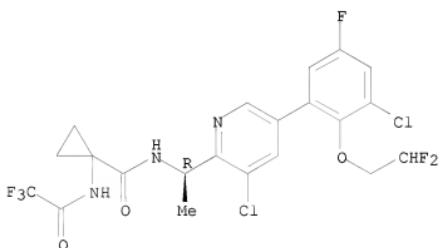
Absolute stereochemistry.



RN 669067-53-2 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[3-chloro-2-(2,2-difluoroethoxy)-5-fluorophenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

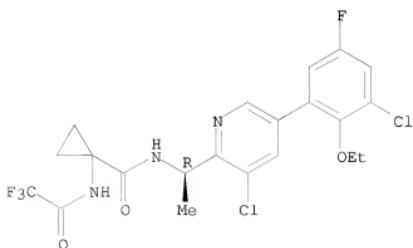
Absolute stereochemistry.



RN 669067-54-3 CAPLUS

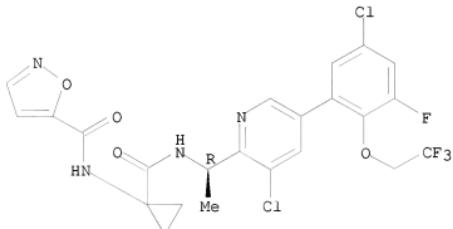
CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-(3-chloro-2-ethoxy-5-fluorophenyl)-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



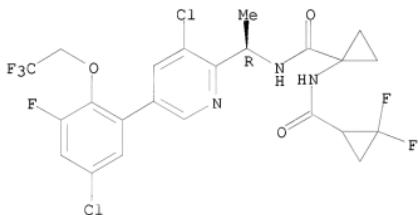
RN 669067-56-5 CAPLUS
CN 5-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-[5-chloro-3-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



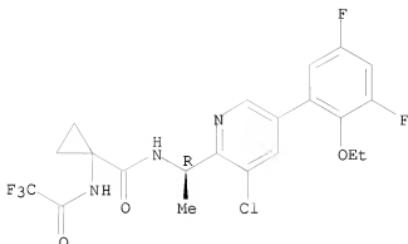
RN 669067-57-6 CAPLUS
CN Cyclopropanecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-[5-chloro-3-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]-2,2-difluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 669067-58-7 CAPLUS
CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-(2-ethoxy-3,5-difluorophenyl)-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

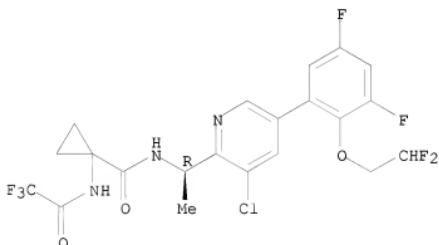
Absolute stereochemistry.



RN 669067-59-8 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[2-(2,2-difluoroethoxy)-3,5-difluorophenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

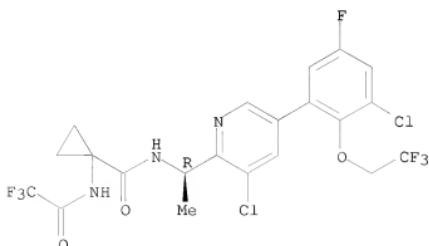
Absolute stereochemistry.



RN 669067-60-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[3-chloro-5-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

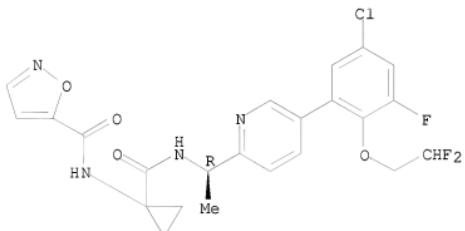
Absolute stereochemistry.



RN 669067-62-3 CAPLUS

CN 5-Isoazolecarboxamide, N-[1-[[[(1R)-1-[5-[5-chloro-2-(2,2-difluoroethoxy)-3-fluorophenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

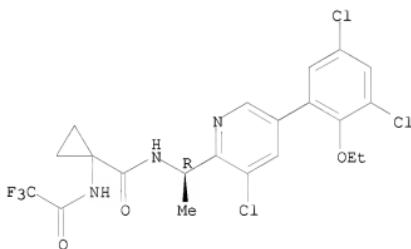
Absolute stereochemistry.



RN 669067-64-5 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-(3,5-dichloro-2-ethoxyphenyl)-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

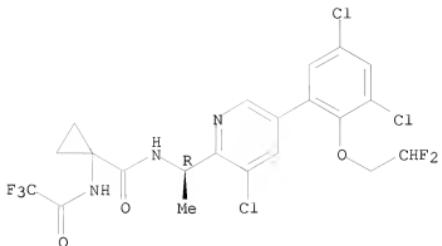
Absolute stereochemistry.



RN 669067-65-6 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

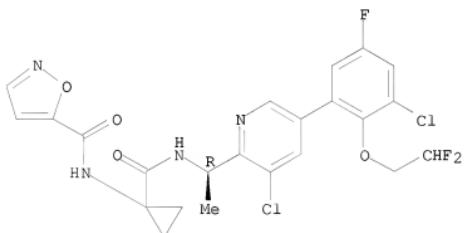
Absolute stereochemistry.



RN 669067-66-7 CAPLUS

CN 5-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-[3-chloro-2-(2,2-difluoroethoxy)-5-fluorophenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

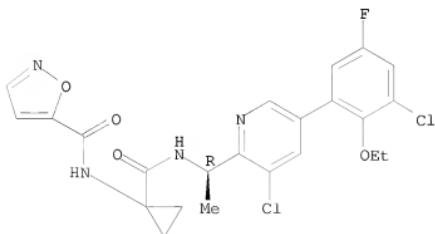
Absolute stereochemistry.



RN 669067-67-8 CAPLUS

CN 5-Isoxazolecarboxamide, N-[1-[[[(1R)-1-[3-chloro-5-(3-chloro-2-ethoxy-5-fluorophenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

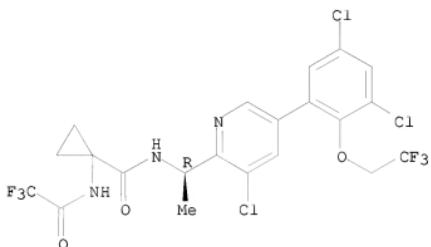
Absolute stereochemistry.



RN 669067-68-9 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

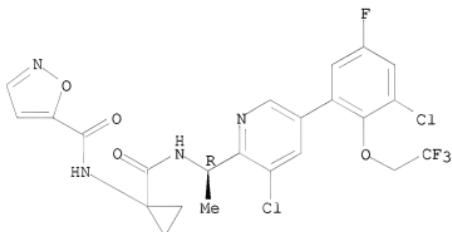
Absolute stereochemistry.



RN 669067-70-3 CAPLUS

CN 5-Isoazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3-chloro-5-fluoro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl]- (CA INDEX NAME)

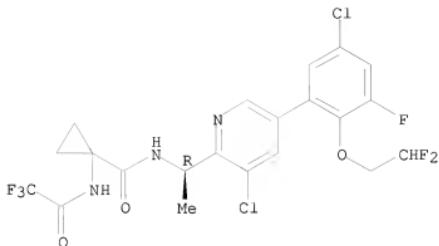
Absolute stereochemistry.



RN 669067-71-4 CAPIUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[5-chloro-2-(2,2-difluoroethoxy)-3-fluorophenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

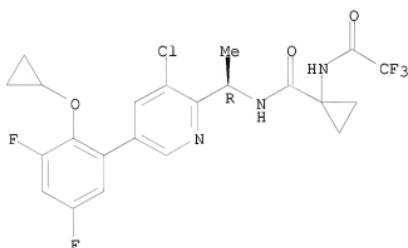
Absolute stereochemistry.



RN 669067-72-5 CAPLUS

CN Cyclopropanecarboxamide, N-[(1R)-1-[3-chloro-5-[2-(cyclopropylloxy)-3,5-difluorophenyl]-2-pyridinyl]ethyl]-1-[(2,2,2-trifluoroacetyl)amino]- (CA INDEX NAME)

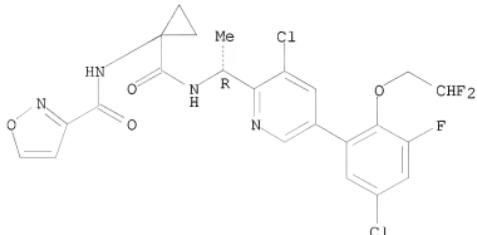
Absolute stereochemistry.



RN 669067-73-6 CAPLUS

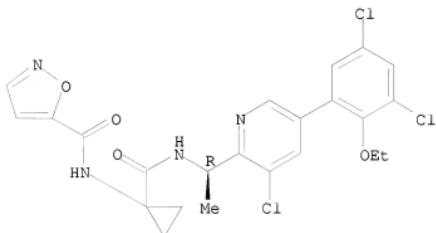
CN 3-Isoxazolcarboxamide, N-[(1R)-1-[3-chloro-5-[5-chloro-2-(2,2-difluoroethoxy)-3-fluorophenyl]-2-pyridinyl]ethyl]amino]carbonyl)cyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry.



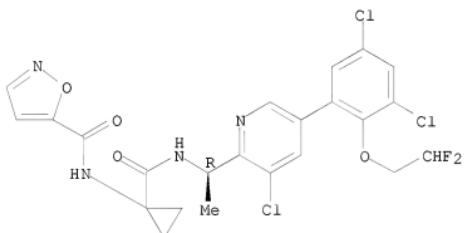
RN 669067-75-8 CAPLUS
CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-(3,5-dichloro-2-ethoxyphenyl)-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

Absolute stereochemistry.



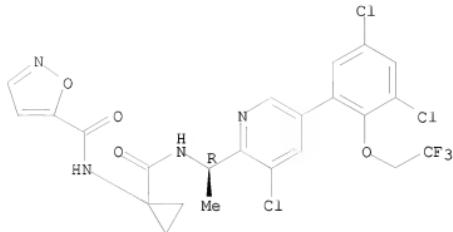
RN 669067-76-9 CAPLUS
CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2-difluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 669067-77-0 CAPLUS
CN 5-Isoxazolecarboxamide, N-[1-[(1R)-1-[3-chloro-5-[3,5-dichloro-2-(2,2,2-trifluoroethoxy)phenyl]-2-pyridinyl]ethyl]amino]carbonyl]cyclopropyl- (CA INDEX NAME)

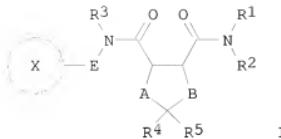
Absolute stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:971837 CAPLUS
 DOCUMENT NUMBER: 140:27621
 TITLE: Preparation of 1,2-diamido cycloalkyl sodium channel blockers
 INVENTOR(S): Fisher, Michael H.; Li, Chunshi; Liang, Jun; Meinke, Peter T.; Ok, Dong; Parsons, William H.; Shao, Pengcheng Patrick; Tyagarajan, Sriram
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA
 SOURCE: PCT Int. Appl., 133 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|-----------|-----------------|----------------|
| WO 2003101381 | A2 | 20031211 | WO 2003-US16335 | 20030523 <-- |
| WO 2003101381 | A3 | 20040212 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2003237224 | A1 | 20031219 | AU 2003-237224 | 20030523 <-- |
| PRIORITY APPLN. INFO.: | | | US 2002-383832P | P 20020529 <-- |
| | | | WO 2003-US16335 | W 20030523 <-- |
| OTHER SOURCE(S): GI | MARPAT | 140:27621 | | |



AB The patent relates to the preparation of 1,2-diamido cycloalkyl compds. I (X = Ph, pyridyl, thiaryl, etc.; R1 = H, C1-6 alkyl; R2 = C0-6 alkyl-Ph, C1-6 alkylthiazolyl, C1-6 alkylthiophenyl, etc.; R1R2 = 5 or 6 membered ring; E = C1-6 alkyl; R3 = C0-6 alkyl; A = CnH2n; B = CmH2m; n, m = 0-3; n + m = 1-3; R4, R5 = C0-6 alkyl, OH, halo, etc.). The 1,2-diamido cycloalkyl compds. are useful as: sodium channel blockers; pharmaceutical compns. that include an effective amount of the aryl-link-aryl thiazolidindione and aryl-link-aryl oxazolidinedione compds. and a pharmaceutically acceptable carrier; and a method of treatment of acute pain, chronic pain, visceral pain, inflammatory pain, or neuropathic pain, as well as irritable bowel syndrome, Crohn's disease, epilepsy, partial and generalized tonic seizures, multiple sclerosis, bipolar disease, and tachyarrhythmias by the administration of an effective amount of aryl-link-aryl thiazolidine-dione and aryl-link-aryl oxazolidine-dione compds., either alone, or in combination with one or more therapeutically active compds. Thus, trans-1-(RS)-[4-(2-aminoethylphenyl)]benzylaminocarbonyl-2-(SR)-benzylaminocarbonylcyclopentane was prepared by reacting a mixture comprising 1-(RS)-[4-(2-aminoethylphenyl)]benzylaminocarbonyl-2-(SR)-carboxycyclopentane, N-hydroxybenzotriazole, diisopropylethylamine, benzotriazol-1-yloxytris(dimethylamino)phosphonium hexafluorophosphate, and benzylamine wherein 1-(RS)-[4-(2-aminoethylphenyl)]benzylaminocarbonyl-2-(SR)-carboxycyclopentane was prepared from the reaction of trans-DL-cyclopentane dicarboxylic acid and 4-(2-aminoethylphenyl)benzylamine.

IT 632338-84-2P

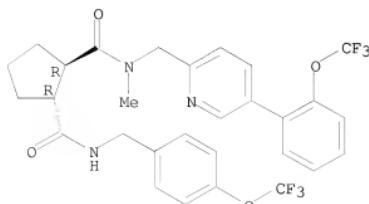
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1,2-diamido cycloalkyl sodium channel blockers)

RN 632338-84-2 CAPLUS

CN 1,2-Cyclopentanedicarboxamide, N1-methyl-N2-[(4-(trifluoromethoxy)phenyl)methyl]-N1-[(5-[2-(trifluoromethoxy)phenyl]-2-pyridinyl)methyl]-, (1R,2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



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FULL ESTIMATED COST          41.23          220.26
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